

Received PRO
17 March 2016

- | VPA | | 00841 |
|--------|-------------|--------|
| Agency | Permit Type | Number |
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6. Type of Waste: (check blank as appropriate)	<u>Proposed</u>	<u>Existing</u>
Animal Waste (complete Form B)	_____	_____
Industrial Waste (complete Form C)	_____	_____
Land Application of Municipal Effluent (complete Form D, Part I)	_____	_____
Land Application of Biosolids/Sewage Sludge (complete Form D, Part II)	5,954	_____

Project Description:

Permit No.: _____

☐ INTERIM ☐ FINAL

DATE ISSUED: _____ EXPIRATION DATE: _____

☐ System ☐ Works Biosolids Source(s) _____

Location of Project/Discharge:

City: N/A Counties: Amelia County (See Attachment A)
(Attach listing of Sites if Applicable)

Total acreage involved: _____ 5,954

Total annual amount of Biosolids from each source: See Attachment B

Type of treatment for pathogen control for each source (if applicable) See Attachment B

Process Description including supernatant management N/A Land Application

Treatment Certification:

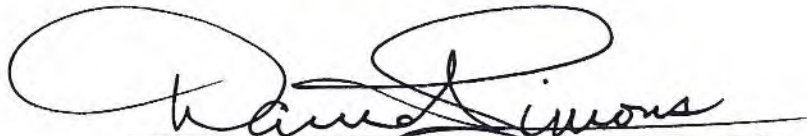
Owner of Receiving Sewage Collection System/Treatment Works: _____

Phone #: _____

Street or Mailing Address: _____

City _____ State _____ Zip Code _____






























┌ Yes ┐ No A statement indicating that a proper class of Biosolids treatment will be provided for this project has been issued by the owner(s) of the Biosolids Source/Treatment Works and is attached.


(Name, Title and Signature of Official Representative)
David SIMONS
V.P.

ATTACHMENT A
NUTRI-BLEND, INC.
AMELIA LAND APPLICATION SITES

Site Name	Tract	Field #	Gross Acres	Tax ID #	Watershed Code	Landowner	Operator
Pembleton	T-1000	1	209.0	26-10	JA17	F & P LAND & TIMBER LC	RONNIE PEMBELTON
		2	208.0	16-26	JA20	F & P LAND & TIMBER LC	
		3	142.0	16-2	JA17	F & P LAND & TIMBER LC	
		4A	258.0	16-6A,6B	JA17	F & P LAND & TIMBER LC	
		4B	271.0	16-6A,6B	JA17	F & P LAND & TIMBER LC	
		5	87.0	37-59	JA17	F & P LAND & TIMBER LC	
		6A	174.0	26-47	JA17	F & P LAND & TIMBER LC	
		6B	288.0	26-47	JA17	F & P LAND & TIMBER LC	
		7	244.0	26-11	JA17	F & P LAND & TIMBER LC	
		8	56.0	26-10a	JA17	F & P LAND & TIMBER LC	
		9	62.0	16-3	JA17	F & P LAND & TIMBER LC	
		10A	36.0	27-17i	JA17	F & P LAND & TIMBER LC	
		10B	7.0	27-17i	JA17	F & P LAND & TIMBER LC	
		11	446.0	15-1	JA17	F & P LAND & TIMBER LC	
		12	75.0	15-9	JA17	F & P LAND & TIMBER LC	
		13	216.0	15-11	JA17/JA11	F & P LAND & TIMBER LC	
		14	295.0	25-1	JA17/JA16	F & P LAND & TIMBER LC	
		15	36.0	15-8	JA17	F & P LAND & TIMBER LC	
		16	162.0	16-11	JA17	F & P LAND & TIMBER LC	
		17	131.0	15-4	JA17	F & P LAND & TIMBER LC	
		18	56.0	16-12a	JA17	F & P LAND & TIMBER LC	
		19	96.0	16-12	JA17	F & P LAND & TIMBER LC	
		20	222.0	26-6	JA17	F & P LAND & TIMBER LC	
		21	271.0	25-32	JA17	F & P LAND & TIMBER LC	
		22	49.0	16-16	JA17	F & P LAND & TIMBER LC	
		23	20.0	26-1	JA17	F & P LAND & TIMBER LC	
		24	24.0	15-10	JA17	F & P LAND & TIMBER LC	
		25A	85.0	26-5	JA17	RONALD PEMBELTON	
		25B	41.0	26-5B	JA17	F & P LAND & TIMBER LC	
		26	87.0	26-11a	JA17	F & P LAND & TIMBER LC	
27	217.0	16-5	JA17	F & P LAND & TIMBER LC			
28	13.0	16-10	JA17	F & P LAND & TIMBER LC			
29	62.0	16-26A	JA17	F & P LAND & TIMBER LC			
Williams		1	1183.0	72-11	JA37	BRIAN WILLIAMS	
		2	125.0	72-12			
				72-13			
				72-14,14A			
				72-21			
				72-22			
				73-2			
				73-3			
		Total					5954.0

MAP LEGEND

Area of Interest (AOI)	 Area of Interest (AOI)	 Not rated or not available
Soils		Water Features
Soil Rating Polygons		 Streams and Canals
 0 - 25		Transportation
 25 - 50		 Rails
 50 - 100		 Interstate Highways
 100 - 150		 US Routes
 150 - 200		 Major Roads
 > 200		 Local Roads
 Not rated or not available		Background
Soil Rating Lines		 Aerial Photography
 0 - 25		
 25 - 50		
 50 - 100		
 100 - 150		
 150 - 200		
 > 200		
 Not rated or not available		
Soil Rating Points		
 0 - 25		
 25 - 50		
 50 - 100		
 100 - 150		
 150 - 200		
 > 200		

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia
Survey Area Data: Version 12, Dec 11, 2013

Soil Survey Area: Dinwiddie County Area, Virginia
Survey Area Data: Version 2, Dec 11, 2013

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 4, 2010—Nov 8, 2010

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Depth to Water Table

Depth to Water Table— Summary by Map Unit — Amelia County, Virginia (VA007)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
1B	Appling fine sandy loam, 2 to 7 percent slopes	>200	9.0	0.7%
1C	Appling fine sandy loam, 7 to 15 percent slopes	>200	11.1	0.8%
4A	Chastain silty clay loam, 0 to 1 percent slopes, frequently flooded	15	86.3	6.3%
5A	Chewacla silt loam, 0 to 2 percent slopes, frequently flooded	31	176.8	12.9%
6B	Cid loam, 2 to 7 percent slopes	48	34.0	2.5%
9A	Dogue fine sandy loam, 0 to 2 percent slopes, rarely flooded	69	29.1	2.1%
9B	Dogue fine sandy loam, 2 to 7 percent slopes, rarely flooded	69	27.2	2.0%
10B	Georgeville silt loam, 2 to 7 percent slopes	>200	282.5	20.6%
10C	Georgeville silt loam, 7 to 15 percent slopes	>200	278.6	20.3%
11B	Helena fine sandy loam, 2 to 7 percent slopes	61	21.8	1.6%
16A	Partlow fine sandy loam, 0 to 2 percent slopes, rarely flooded	15	15.4	1.1%
17A	Roanoke fine sandy loam, 0 to 2 percent slopes, rarely flooded	15	68.5	5.0%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	>200	77.4	5.6%
22B	Winnsboro sandy loam, 2 to 7 percent slopes	>200	63.9	4.7%
22C	Winnsboro sandy loam, 7 to 15 percent slopes	>200	37.5	2.7%
W	Water	>200	3.8	0.3%
Subtotals for Soil Survey Area			1,222.8	89.1%
Totals for Area of Interest			1,372.3	100.0%

Depth to Water Table— Summary by Map Unit — Dinwiddie County Area, Virginia (VA653)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
8B	Georgeville silt loam, 2 to 7 percent slopes	>200	9.6	0.7%
8C	Georgeville silt loam, 7 to 15 percent slopes	>200	1.1	0.1%
8D	Georgeville silt loam, 15 to 25 percent slopes	>200	0.3	0.0%
10B	Herndon loam, 2 to 7 percent slopes	>200	10.8	0.8%
10C	Herndon loam, 7 to 15 percent slopes	>200	20.8	1.5%
11B	Iredell loam, 2 to 7 percent slopes	46	7.1	0.5%
11C	Iredell loam, 7 to 15 percent slopes	46	1.7	0.1%
16A	Roanoke loam, 0 to 2 percent slopes, occasionally flooded	15	98.0	7.1%
Subtotals for Soil Survey Area			149.5	10.9%
Totals for Area of Interest			1,372.3	100.0%

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December

RECEIVED PRO
FEB 10 2016

DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT APPLICATION FEE FORM
REVISED EFFECTIVE JANUARY 1, 2008

INSTRUCTIONS

Applicants for individual Virginia Pollutant Discharge Elimination System (VPDES), Virginia Pollution Abatement (VPA), Virginia Water Protection (VWP), Surface Water Withdrawal (SWW), and Ground Water Withdrawal (GWW) Permits are required to pay permit application fees, except farming operations engaged in production for market. Fees are also required for registration for coverage under General Permits except for the general permits for sewage treatment systems with discharges of 1,000 gallons per day (GPD) or less and for Corrective Action Plans for leaking underground storage tanks. Except for VWP permits, fees must be paid when applications for permit issuance, reissuance* or modification are submitted. Applicants for VWP permits will be notified by the DEQ of the fee due. Applications will be considered incomplete if the proper fee is not paid and will not be processed until the fee is received. (* - the reissuance fee does not apply to VPDES and VPA permits - see the fee schedule included with this form for details.)

The permit fee schedule is included with this form. Fees for permit issuance or reissuance and for permit modification are included. Once you have determined the fee for the type of application you are submitting, complete this form. The original copy of the form and your check or money order payable to "Treasurer of Virginia" should be mailed to:

Department of Environmental Quality
Receipts Control
P.O. Box 1104
Richmond, VA 23218

A copy of the form and a copy of your check or money order should accompany the permit application. You should retain a copy for your records. Please direct any questions regarding this form or fee payment to the DEQ Office to which you are submitting your application.

APPLICANT NAME: Nutri-Blend Inc. SSN/FIN: 54-1894294

ADDRESS: 2353 Charles City Road DAYTIME PHONE: (804) 222-7514
P.O. Box 38060 Area Code
Richmond, VA 23231

FACILITY/ACTIVITY NAME: Nutri-Blend Inc. Land Application of Biosolids

LOCATION: Amelia County

TYPE OF PERMIT APPLIED FOR
(from Fee Schedule): VPA Biosolids Permit

TYPE OF ACTION: New Issuance Reissuance X Modification

AMOUNT OF FEE SUBMITTED
(from Fee Schedule): \$1,000

EXISTING PERMIT NUMBER (if applicable): VPA00841

DEQ OFFICE TO WHICH APPLICATION SUBMITTED (check one)

<input type="checkbox"/> Abingdon/SWRO	<input type="checkbox"/> Harrisonburg/VRO	<input type="checkbox"/> Woodbridge/NVRO	<input type="checkbox"/> Lynchburg/SCRO
<input checked="" type="checkbox"/> Richmond/PRO	<input type="checkbox"/> Richmond/Headquarters	<input type="checkbox"/> Roanoke/WCRO	<input type="checkbox"/> Virginia Beach/TRO

FOR DEQ USE ONLY

Date: _____
DC #: _____

Original Form and Check - DEQ Receipts Control, Richmond
Copy of Form and Copy of Check - DEQ Regional Office or Permit
Program Office

PUBLIC NOTICE AUTHORIZATION AND BILLING INFORMATION FORM

I hereby authorize the Department of Environmental Quality to have the cost of publishing a public notice billed to the Agent/Department shown below. The public notice will be published once a week for two consecutive weeks in accordance with 9 VAC 25-32-140. A.

Agent/Department to be billed: Nutri-Blend Inc.

Owner: Larry Matthews

Applicant's Address: P.O. Box 38060

Richmond, VA 23231

Agent's Telephone No: 804-222-7514

Authorizing Agent: William M. Burnett
Signature

Facility Name: Nutri-Blend Inc
Permit No. VPA*

*(to be assigned by DEQ- leave blank)

Odor Control Plan – Land Applier

Permittee Name **Nutri-Blend Inc.**

VPA Permit Number

Contact Name: **Bill Burnett**

Phone Number: **804-222-7514**

Email address: **NBinc1@aol.com**

"Malodor" means an unusually strong or offensive odor associated with biosolids or sewage sludge as distinguished from odors commonly associated with biosolids or sewage sludge.

1) Identify methods to identify malodor after delivery to a land application site:

Check all that apply:

☒ Comparison of odors from each truck load to identify loads with unusually strong or offensive odor

☒ pH analysis

☐ Odor measurement device (e.g. Nasal Ranger)

☐ Other: _____

2) Identify methods to abate malodor after delivery to a land application site:

Check all that apply:

☒ Removal to a landfill

☐ Removal and transport to a more secluded site (after verification VAR option was achieved)

☐ Other: _____

3) Identify methods to abate malodor after biosolids are land applied:

☒ Incorporation

☐ Other: _____

4) Identify procedures for reporting odor complaints or determination of malodor to the generator.

(Refer to contacts on Generator OCP, any agreements you have with generators regarding handling of odor complaints, etc.)

1) Notify Generator

2) Meet with Generator to discuss issue with odor

3) Cease land application until problem is alleviated